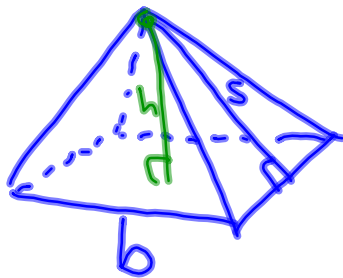


Do-now:

1. Take out sheet from yesterday.
2. Get your group's nets from the wall.



## What is volume?

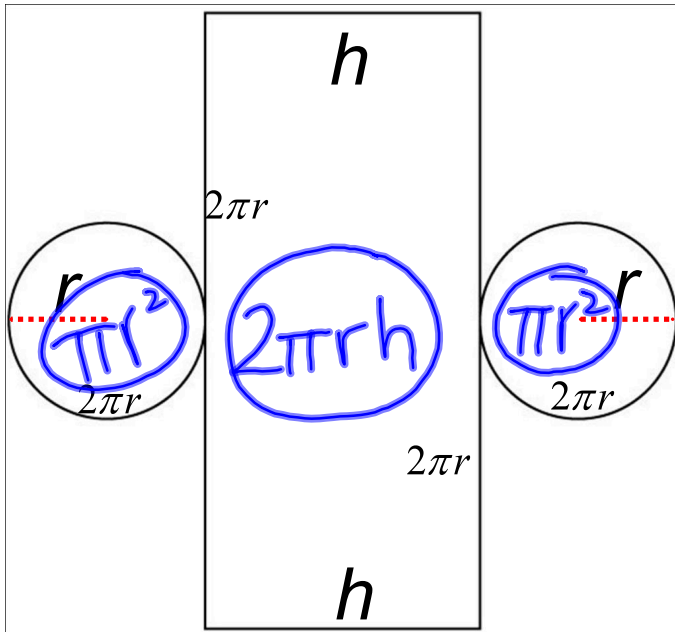
- how much space is inside
- how much space something takes up

$$V = Bh$$

area of the base

$$V = \frac{1}{3}Bh$$

area of the base

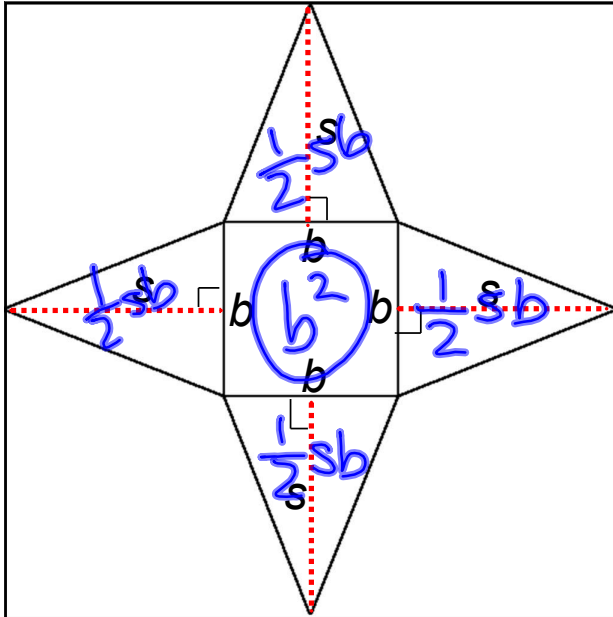


$$SA = \pi r^2 + \pi r^2 + 2\pi r h$$

$$= 2\pi r^2 + 2\pi r h$$

$$LA = 2\pi r h$$

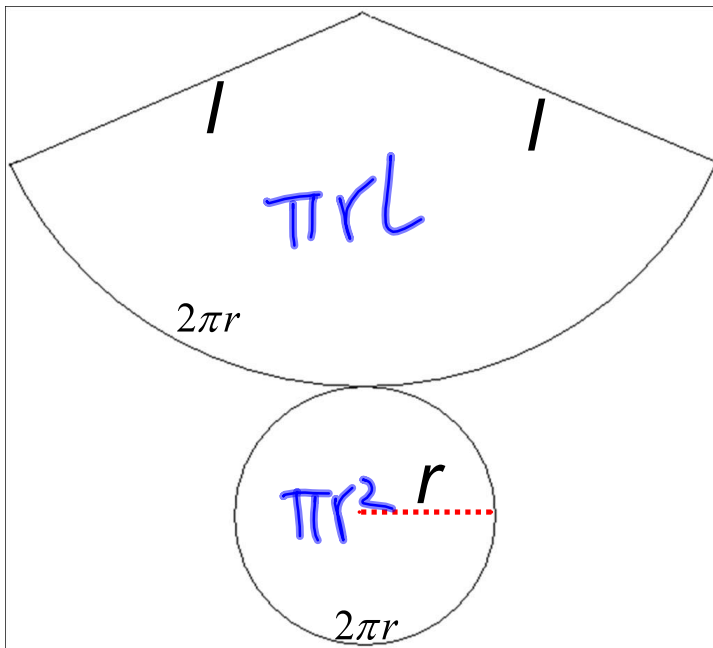
$$V = \pi r^2 h$$



$$SA = \frac{1}{2}sb + \frac{1}{2}sb + \frac{1}{2}sb + \frac{1}{2}sb + b^2$$
$$= 2sb + b^2$$

$$LA = 2sb$$

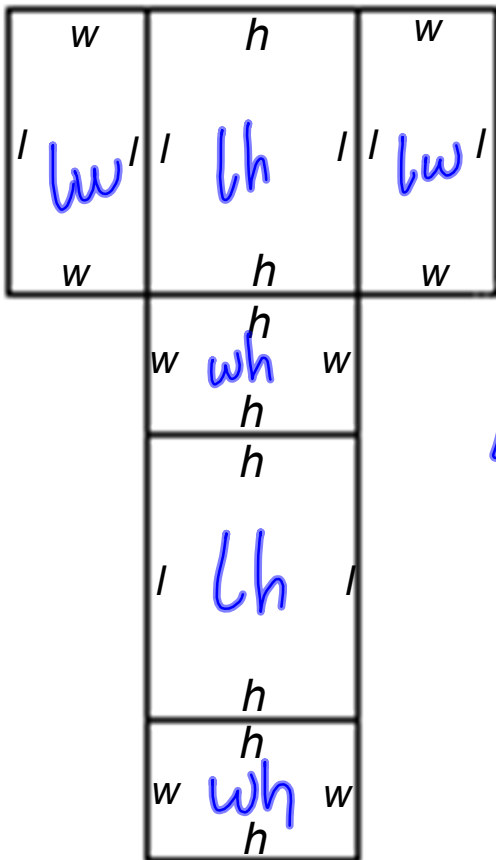
$$V = \frac{1}{3}b^2h$$



$$SA = \pi r^2 + \pi r l$$

$$LA = \pi r l$$

$$V = \frac{1}{3} \pi r^2 h$$



$$SA = lw + lh + lw + wh + lh + wh$$

$$= 2lw + 2lh + 2wh$$

$$LA = 2lw + 2lh \text{ OR}$$

$$2lw + 2wh \text{ OR}$$

$$2lh + 2wh$$

$$V = lwh$$

